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The Students of Worcester Polytechnic Institute

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WPI Hosts Mike Membrino

By Jim Webb
Editor in Chief

Among this year's Freshman class will be Mike Membrino. Mike is an honors graduate of Lunenburg High School and accepted early admission to WPI's chemical engineering program. Mike is also a quadriplegic.

Almost three years ago a football injury left him paralyzed from the neck down. The fateful game on October 24, 1984 left Mike's neck broken between the fourth and fifth vertebrae. He spent six months in rehabilitation, missing a year of school. During his rehabilitation, Mike had to learn how to breathe without a respirator after his diaphragm failed and he had to learn to control an electric wheelchair by puffing and sipping through two straws.

Mike's attitude toward life has a lot to do with his success so far. He sets goals for himself and doesn't stop until he reaches them. He has wanted to become an engineer for many years, and the accident hasn't changed his mind. Mike is also in touch with reality — he hopes to graduate in five or six years.



Mike Membrino prepares to take on WPI.

Despite the limitation, Mike insists, "I'm just a regular guy." He doesn't want people to be taken aback by the situation. He wants to be just another student trying to survive the academic pressure of WPI.

On his visits to the campus, WPI has been very receptive to him and his needs. Mike has met with WPI officials and plant services to make some changes necessary for his mobility. Unlike most freshmen he will have the luxury of living in Founders Hall. Some adaptations will be made to his room. A few of his classes will be rescheduled. For example, math courses, normally held in Stratton Hall, are inaccessible to wheelchairs.

Mike uses an IBM PC to help him with his homework which he operates with the use of a mouthstick. The everyday routine is still not without its problems. Mike needs classmates to help him take notes, handle lab equipment and with his daily routine. Any students looking for a part-time job who wish to help Mike during this year should contact him in Founders 110 or speak with Tom Thomsen in the Dean of Students Office.

WPI Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 15, Number 14

Tuesday September 1, 1987



This Year, There is No Freshman Overcrowding

According to Paul Outerson, WPI's Director of Housing, there are no "temporary triples" in Morgan Hall this year, a sharp contrast to last year. The class of 1991 has only 630 members, as opposed to the 736 members of the class of 1990. This decrease eliminates the housing crunch of previous years.

This is not to say that there is a large amount of unfilled living space in the residence halls. "Theoretically, we're full," Outerson said, while noting that there are always last-minute cancellations which may open up some space. As Director of Housing, Outerson is in charge of the physical environment of the residence halls. He cautions freshmen not to harbor any preconceived notions about specific buildings. "A lot of freshmen don't want to live in Morgan because they think it's rowdy, while everybody always wants to live in Riley because they like the look of the building. It's not the building, it's the people who make living [in a residence hall] a positive experience."

Outerson emphasized the importance of careful examination of rooms before moving in, suggesting that students report to the RA and fill out the inspection forms carefully. If there is damage to the room, be sure to make a note of it. For students having problems with their room-

mates, Outerson stressed the need for cooperation and understanding. He noted that roommate change requests will not be honored for two weeks, and that usually nothing can be done until October 1st. "If [roommates] have problems, they should go to the RA." [RAs are there to serve as counselors and friends, not as police officers, and should be treated accordingly]. He adds, "If [a problem between roommates] is absolutely unresolvable, maybe, and I stress maybe, we can do something about it...We can't make any guarantees."

The closing dates for the residence halls must be strictly enforced, Outerson noted. Students must be out by noon on Wednesday, December 23rd at noon, and all belongings must be removed by noon the day following the final day of class (May 7th at noon). This is necessary due to staffing restrictions. [Note that belongings may remain in rooms over the Christmas break]

Outerson appealed to the freshmen to "give the building [where they live] a chance." "It may not be as quiet as home, but if they [the students] look beyond that, they can really have a good time."

Account of Worcester Banks

The banks of Worcester offer many accounts for new students to choose from. While choosing an account, many variables must be considered — checking or savings, large or small sums of money, many or few transactions, easy access to accounts.

Five basic personal accounts that are commonly available are: passbook savings; statement savings; regular or free checking; NOW checking; and superNOW checking.

Passbook savings requires a passbook to update all transactions. Transactions must be done at a bank or local branch and there may be no access

to automatic teller machines (ATMs). Statement savings allows access to ATMs. Transactions are recorded as in to a checking account. A statement containing a summary of transactions is mailed each month. Regular or free checking is a good choice for those who plan to keep a small amount of money in an account to pay bills. Service charges are minimal. The minimum balance required is also small. One disadvantage is that no interest is earned.

NOW checking has no service charges for those

(continued on page 5)

Ann Garvin Succeeds Van A as Academic Advising Dean

by Mark Osborne
News/Features Editor

Ann Garvin, formerly projects administrator, has been named to replace John Van Alstyne as director of academic advising. In her new position, Garvin oversees all advising, as well as scheduling of courses.

This year has seen the transition from the arrangement of freshman schedules by the brain of Van Alstyne to that of a computer program. The program, written by Andrew Ferreira, allows for a conflict-free schedule to be generated for each student, regardless of special considerations. For example, the program could be told that the student was involved in Navy ROTC and that Tuesday afternoons must therefore be kept free. The schedule subsequently generated would not have any other activity on Tuesday afternoons.

Though the new computer program has

(continued on page 7)



Ann Garvin prepares to serve WPI in a new role.

Hunter Appointed Assistant Dean of Students

by Mark Osborne
News/Features Editor

There is a new face around the Dean of Students office, that of Nancy Hunter, the newly appointed Assistant Dean of Students. Hunter comes to WPI from Case Western Reserve University in OHIO, where she served as program advisor for three years. At WPI, she is responsible for greek affairs, Soccomm, the Students Activities Board, Student Organizations, as well as student activities in general. Hunter arrives at WPI at a time when the social life of the typical tech student is in a state of transition. Only the seniors and juniors remember having "wet" rush, and open fraternity parties are a thing of the past. Students are left with the choice of off campus parties or doing nothing on weekends.

One of Hunter's biggest challenges is to try to bring all of the various campus groups together. In the past there has been a tendency for different organizations to fight each other for student involvement. The fraternities and sororities had parties, Soccomm promoted special events, SAB clubs tried to fit in, and so on. Cooperation was not a concept which was being explored. This seems to be changing, she believes. Planning is underway for a "Unity weekend" the weekend of October 3rd. Olympic style competition will occur in the morning, with teams from the greek community, residence halls, student organizations, and faculty/staff competing. In the afternoon there will be a barbecue followed by a football game

(continued on page 7)

Competency Examination Results

| Dept. | Results, May 1987 | | | (One Year Ago) Results, May 1986 | | | | |
|-------|-------------------------|-----------------------|---------------|-------------------------------------|----------------------------|-------------------------|---------------|----------------------------|
| | Total Exams Given | Total Number AD | Percent AD | Total Passed AC&AD | Percent Passed AC&AD | Total Exams Given | Percent AD | Percent Passed AC&AD |
| BB | 0 | --- | --- | --- | --- | 2 | 0% | 100% |
| CM | 2 | 0 | 0% | 0 | 0% | 10 | 0% | 50% |
| CH | 1 | --- | --- | 1 | 100% | 1 | 0% | 100% |
| CE | 2 | 1 | 50% | 2 | 100% | 2 | 0% | 100% |
| CS | 2 | 0 | 0% | 1 | 50% | 9 | 22% | 78% |
| EE | 12 | 2 | 17% | 9 | 75% | 35 | 23% | 86% |
| HU | 0 | --- | --- | --- | --- | 0 | --- | --- |
| ID | 0 | --- | --- | --- | --- | 0 | --- | --- |
| MG | 2 | 0 | 0% | 2 | 100% | 11 | 9% | 82% |
| MA | 0 | --- | --- | --- | --- | 0 | --- | --- |
| ME | 14 | 0 | 0% | 11 | 79% | 31 | 3% | 58% |
| PH | 0 | --- | --- | --- | --- | 0 | 0% | --- |
| SST | 0 | --- | --- | --- | --- | 0 | --- | --- |
| ToTal | 35 | 3 | 9% | 26 | 74% | 101 | 12% | 73% |

In May of 1987, the total number of repeats was 13, of which 9 (69%) passed. In May of 1986, there were 41 repeats, of which 29 (71%) passed.

The percentage of those passing in the January, March, June and October periods over five years is as follows:

| | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 |
|---------|------|------|------|------|------|------|
| January | 71% | 72% | 74% | 78% | 76% | 79% |
| March | 80% | 73% | 72% | 72% | 68% | 68% |
| June | 66% | 69% | 74% | 79% | 73% | 74% |
| October | 62% | 62% | 71% | 77% | 65% | --- |

EDITORIAL

Participate in Campus Life Join Newspeak

Newspeak welcomes the incoming class of 1991, returning students and the rest of the WPI community back for the 87-88 academic year. The Newspeak office is located in the basement of Sanford Riley Hall on the Daniel's side of Gompei's Place. All are welcome to visit, tour our facilities and become part of an important campus organization.

Letters, commentary, and articles are welcome anytime. They can be brought directly to our office in Riley or sent via campus mail to box 2700. It is greatly appreciated when articles are typed using PC Write at any of the computer labs on campus and delivered to our office on a floppy. Articles can also be "mailed" to Newspeak on the DEC-20. Doing either of these saves us time and decreases the spelling errors that might occur in the article. Deadlines for articles is noon or at 4 PM when the mailroom closes for the day on Friday before the following Tuesday's issue.

Classified advertising is free for the WPI community if it is non-commercial in nature. Display ads are available at a reduced rate for the campus. Call Newspeak at 793-5464 for more information. If nobody is available please leave a message on the answering machine and your call will be returned. Deadlines for advertising copy and classifieds is at 5 PM on Friday before the following Tuesday's issue.

People interested in any aspect of newspaper production are welcome to become members of the Newspeak staff. Upperclassmen as well as Freshmen are encouraged to participate. Become involved in writing (sports, campus news, or commentary), cartoons, photography, darkroom, proofreading, advertising, office management, and computer based graphic layout.

Our office is open periodically during the week. Most of the work is done on the weekend, the best time to see Newspeak in action. Come and join us.

Letters Policy

WPI Newspeak welcomes letters to the editor. Letters submitted for the publication should be typed (double-spaced) and contain the typed or printed name of the author as well as the author's signature. Letters should contain a phone number for verification. Students submitting letters to the editor should put their class after their name. Faculty and staff should include their full title. Letters deemed libelous or irrelevant to the WPI community will not be published.

The editors reserve the right to edit letters for correct punctuation and spelling. Letters to the editor are due by 9:00 a.m. on the Friday preceding publication. Send them to WPI Box 2700 or bring them to the Newspeak

Newspeak

The Student newspaper of Worcester Polytechnic Institute
Box 2700, WPI, Worcester, Massachusetts 01609
Phone (617)793-5464

| | | |
|---------------------|------------------|------------------------------------|
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WPI Newspeak of Worcester Polytechnic Institute, formerly the Tech News, has been published weekly during the academic year, except during college vacations, since 1909. Letters to the editor must be signed and contain a telephone number for verification. WPI Newspeak subscribes to the Collegiate Press Service. Editorial and business offices are located in Room 01, Sanford Riley Hall at WPI. Copy deadline is noon on the Friday preceding publication. Typesetting is done by Good Impressions Publishing. Printing is done by Saltus Press. First Class postage paid at Worcester, Massachusetts. Subscription rate is \$12.00 per school year, single copies 60 cents within the continental United States. Make all checks

COMMENTARY

What a Freshman Should Know

by Tom Bruns

It's Saturday, and you're starving. You chose the five day meal plan, and only now realize its implications: you have take care of yourself on the weekends. What do you do? You could eat your roommate, who happens to be on the seven day meal plan...

It's Saturday night, you're no longer hungry (and your roommate is still alive) but your bored. You're new in town and you're not quite sure what there is to do. You could take advantage of your roommate, who fell asleep listening to Pink Floyd.

It's Sunday, not morning, you slept through that. After nibbling on leftover pizza, you realize that you have an infinite amount of homework to do for tomorrow. You decide to study, but your roommate has other ideas. You could kill him, but they'd probably just replace him with someone worse.

Before you abuse your roommate in any way, read the following suggested solutions to problems most frequented by those new to WPI. Food: This is a biggie. Most people learn about food resources first. Undoubtedly, when you say "food" and "college student" in the same sentence you're talking about pizza. You may consider Domino's at first, since you've had it at home, and you're not quite sure where the pizza places are in Worcester. Do yourself a favor, don't. Sure, they're O.K. if it's pouring rain outside or if your filthy rich. Just a short walk down the hill to Highland Street will take you to the Boynton or Theo's; both make pretty good pizza at about the same price. Also on Highland you'll find always open Store 24, source of 24 munchies, paraphernalia, and prophylactics.

Entertainment: It has been said that WPI has a comatose social life. The people who say that are probably booring anyway, so don't listen to them. If you get bored, get a bunch of friends together and do something. Don't wait for a social life to come to you, make one yourself. There's always frat parties, but you can't do that every weekend (well maybe you can, if so skip to Room Decor). There's several movie theaters around: Showcase Cinemas on Main St., White City in Shrewsbury (kinda hard to get to), Lincoln Plaza (also not to close) and Webster Square (towards Clark on Park Ave). If you don't feel like walking, WPI shows movies every Sunday night in Alden Hall for only \$1.50, as well as on Wednesday nights in Gompei's Place for \$1.00. Besides movies, Soccom usually has something going on Saturday night, down in the pub, known as "Gompei's Place." You could always go make trouble in the Galleria (the mall in downtown Worcester), terrorize other schools in Worcester like Clark, Holy Cross, and Assumption, or abuse your roommate. Remember, it's not

totally hopeless, if your really desperate, you will find something to do, maybe even some homework...

Room Decor: Your dorm room is your little home for the better part of a year, so you'll probably try to make it look like your room back home: a real mess. Be creative. Don't just throw any garbage on the floor, but something you'll be proud to step on every day and say, "That's my garbage, my room, my garbage." Every room has its own time capsule. Some corner where papers get thrown after a test or the end of the term. At the end of the year you dig up this stuff and remember everything you didn't learn. Room decorating is very important. You must make your room the best on the hall so people will come to visit you. The Galeria has a really nice poster store. It has the standard girls and cars posters, and also some more classy prints. Every once in a while, there's a poster sale in the Wedge, and also plant sales. Get together with your roommate and see who can kill a plant faster. If you ever need some certain little thing, and your not quite sure where to get it, go to Spag's, out by White City in Shrewsbury. They have everything you could ever want, and most things you don't want.

Studying: To study, you need books, but not necessarily from the WPI bookstore. For some humanities courses, the same books can be found in bookstores downtown (a lot cheaper) or in libraries, like at Clark. Make upperclass friends quickly, so you can borrow their books and notes. (They probably had the same course with the same teacher, and, if you're lucky, the same tests!) If your looking for a place to study, you may want to consider places other than the library. The lounge in Salisbury is very nice. On better days, try sitting on Higgins Lawn. One thing you may want to note: on your schedule all the building are listed with a two letter code, a translation follows.

code list

AK - Atwater Kent (Computer Science and Electrical Engineering)
GH - Goddard Hall (Chemistry and Chemical Engineering)
HL - Higgins Labs (Mechanical Engineering)
KH - Kaven Hall (Civil Engineering)
OH - Olin Hall (Physics)
SH - Stratton Hall (Mathematical Sciences)
SL - Salisbury Labs (Biology and Biomedical Engineering, Humanities + general classrooms)
WB - Washburn Shops and Stoddard Labs (one building/classroom)

Given a little time, the most ignorant Freshman will quickly assimilate to the peculiarities of WPI life. And don't worry about your roommate. Chances are he isn't the antichrist, and will probably turn out to be your best friend for a long time.

Boo-Bü the stick figure

by Brian Freeman

Bleah*, Bleah Graceland, Tammy
B leah, Bleah Senate investigat.
Bleah, Bleah Donna Rice, Dylan
Bleah, Bleah Vidal Sassoon, pesto
Bleah, Bleah Michael Jackson, FAA
Bleah, Bleah potted Caucuses, Low
Bleah, Bleah most of Sri Lant
Bleah, Gary Coleman, Dion S
Bleah, Detroit, Preston Stu.
Bleah, George Michael, Wind
Bleah, Bleah, Bleah, Ble

COMMENTARY

My View from the Fourth Year

Worcester Summers a Bummer

By Joshua Smith

I hereby vow never to spend another summer in Worcester. The weather is terrible; the night life is dead; the day life is dull; I feel sorry for the people who have to live here. If it hadn't been for the Iran-Contra hearings and the action in the Philippines, the summer would have been a total loss. So why would anyone voluntarily stay in Worcester for the summer? Good question. My reasons seemed valid at the beginning of June, but now I'm not so sure. Let's just consider it a research project; a chance for intro- and extro-spection, so to speak.

My official reasons for staying were simple: I didn't have any commitments back home (no summer job lined up or anything); I had the opportunity to take a couple classes during E-term; and I had an interesting job on campus doing some programming for a professor over in CE (you know CE, the only major in which the students actually get a good night's sleep EVERY night). Well, anyway, what's done is done; there's no use pondering the negatives, so I'll just examine what I've learned.

Summer is the best time to take classes. I know it sounds strange — summer is the time for beaches, beer, and broads in bikinis with big (never mind that, it's too early in the year for a controversy); but ignoring the fact that you have to miss out on seven weeks of parties, it really is

a good time for classes. The professors tend not to be so interested in teaching (most likely because the students are less interested in learning), so the classes are much easier. Since the students aren't likely to show up on Fridays, it is in the best interest of everyone involved not to have classes on Fridays (yes, the Professors actually reschedule Friday classes to other days!). The typical class consists primarily of people who don't speak English and people who failed during the preceding four terms, so the curves are nice and low. The price is pretty low (not as low as overloads, but lower than regular terms). And face it, seven weeks isn't really that much time.

The campus changes drastically during the summer. Summer is the time for construction, destruction, income production, and girls who are b—— (oops, there I go again). One at a time... Construction: during the summer the school tries to repair and improve everything which went sour over the year, like the new paint in the wedge, and the new electrical system in Stratton (that's what one of the workers told me they were doing, anyway). Destruction: this must have something to do with the former, but during the summer the school looks like a nuclear test area (it's no wonder WPI does most of its freshman recruiting during the school year). Income Production: that seems the best description for it; the school has all these conferences during the summer (ever heard of a Carbon Conference? I guess that's a conference which looks exactly like every other conference). Girls: I don't know where they come from, but during the summer the school is swarming with beautiful women; the only problem is that most of them carry these big sticks with them wherever they go (I'm not kidding — three foot long wooden posts with hooks on the end; it's scary).

The lack of population around the school makes life much easier. There are actually empty spaces on West Street during the summer! The lines are short for wedge food, and there are empty tables available in the lower wedge. And it's not just WPI — the whole town gets less crowded during the summer, even McDonalds (speaking of McDonalds, I was in there the other day, and they had these "Come work here, it'll be fun" placemats, and at the bottom it said "Always an Equal Opportunity/Affirmative Action Employer." Both "Equal Opportunity" and "Affirmative Action"? Excuse me? And how can you always have been an Affirmative Action Employer? And what exactly does it mean for McDonalds to be an Affirmative Action Employer, anyway? I thought the purpose of Affirmative Action was to get the Blacks out of McDonalds and into real jobs. Strange).

O.K., so summer at WPI doesn't sound that bad, but it's the weather. It is hot and humid seven days a week, for 18 weeks. It sucks! Heat I can stand; humidity I can stand; but the unrelenting combination is unbearable. I would have guessed that all of New England is like that, except that I had the good fortune to spend a weekend with a friend on the coast, and the weather was completely different. It was nice! So I've decided that it must be Worcester — suffocating Summers and waterlogged Winters. The second I graduate, I'm getting out of this town, and I'm never coming back.

Oh yes, since this is the first issue, I guess I should welcome all the new freshmen to WPI. It's really not a bad place. I did my sufficiency D-87, which involved a thorough examination of the school (it's called "A Dissection of the Worm called WPI"); and I think I had more positive things to say about the school than negatives. Some of you may have seen an article I wrote last year (I timed it so that it would come out when 800 prospective freshmen were roaming the campus); I said a lot of nice things about the school, and I meant some of them. But now that you're here, you can make your own judgments. Just promise me one thing, if there is something you don't like, please don't start a petition. Petitions are the most inappropriate mechanism for change in this setting. If you dislike something, go speak to your academic advisor. You see, the faculty make all the major decisions around here, and if you let THEM know your concerns something might actually get done.

Well, that's all. Have a good year, study hard, party hard, and try not to get too caught up in the trivialities of WPI life.

Cyganski Appointed Chief Information Officer-AT&T PCs Will See Greater Use

David Cyganski, Associate professor of electrical engineering, has been appointed to the newly created position of Chief Information Officer. In this role, Cyganski will perform all of the functions of the previous Dean of Academic Computing, Owen Kennedy. In addition, he will oversee the new administrative computer system as well as all networks and telecommunications in general.

One of Cyganski's desires is to increase the use of the AT&T PC 6300 by students in support of their course and project work. Through the use of free tutorials and distribution of free- and share-ware, he hopes to convince all students that the 6300 can be a powerful tool which can greatly enhance their education.

In order to get the campus to become more familiar with the PCs, the old Wang VS/85 word processor will be phased out over A-term. All persons using the system will be asked to transfer their files to disk so that they can be used on the AT&Ts. Ten AT&T PCs will be installed at the College Computation Center (CCC) in the next two weeks.

For students who are not familiar with the AT&T 6300, there is a manual which is available in all computer laboratories and may be borrowed.

For those who have some knowledge of computers but not specifically the AT&T, a brief overview of the machine and its capabilities follows: The AT&T PC 6300 is an IBM PC XT compatible computer, but is about three times faster. (The IBM runs on a 4.77 MHz 8088 microprocessor, while the AT&T uses an 8086 at 8 MHz.) The AT&T also has an 8087 math coprocessor which allows it to perform computations extremely quickly. The AT&T supports software written for the IBM which requires the IBM monochrome text card as well as the Color Graphics (CGA) card. The AT&T supports its own super-high graphics mode (640 X 400 pixels). All AT&Ts on campus have the maximum 640K of RAM. Also included are parallel and serial ports as well as a clock/calendar.

The AT&T is the WPI standard and is available for purchase by both WPI students and faculty. For information, visit academic computing in the basement of the project center.

Other computer facilities exist on-campus. The DEC-20 is located in the basement of the Gordon library at the College Computation Center (CCC). This mainframe has all the traditional support packages of a large machine — compilers, multiple languages (COBOL, ALGOL, PASCAL, and many others). Any student may use this facility, but an account is necessary. To obtain an account (which includes a password, and is free), you must ask an operator at the I/O desk in CCC for an application.

CCC also provides laser printing for students. For \$.10 per page, files may be printed out on the laser printer. Bring your diskette down to the CCC I/O desk.

The office of academic computing distributes free copies of several programs which are in the public domain. These include PC-WRITE v. 2.71 (a word-processor), ExpressCalc (a spreadsheet program), and PC-File+ (a database management program). Any member of the WPI community is allowed to have access to these programs, all that is needed to get a copy from the office of academic computing is a blank diskette. It is important to note that these programs do not come with any printed documentation unless the user wishes to register his/her copy (E.g. \$70 for PC-Write). However, it is often not necessary to have full documentation since the programs include extensive help capabilities and many people are familiar with the software and will be able to assist should problems arise.

The office of academic computing, in addition to assisting with the purchase of computers, will help students with any questions regarding computers or software in general. If, for example, a student wishes to know where he or she can obtain a certain software program at a low price, academic computing can usually help. So that all students (not just freshmen) can become familiar with the AT&T PC 6300, and PC-Write in particular, the office of academic computing is sponsoring a three-day mini-course in which students are taught how to use PC-Write. The course will meet on Tuesdays, Wednesdays, and Thursdays. There will be three separate offerings of the course, beginning Tuesday, September 8th, 15th, and 22nd. One need only attend one three-day sequence. In order that the greatest number of students be able to take the course, three different class times are offered. The week of Sept. 8th, class will meet at 3:30 pm, Sept. 15th at 2:30 pm, and Sept. 22nd at 11:00 am. Watch the weekly OAC column in NEWSPEAK and the WPIC-TV bulletin board for location and other important information throughout the year.

For the freshmen, as well as the upperclassmen who have never taken the time to learn to use the AT&T PCs, Cyganski said, "Buy some diskettes at Spag's, through the mail [see us at OAC], or at the bookstore, and come to a tutorial session. You will be writing many papers throughout your career at WPI, and the sooner you learn to use the computer, the better."

Dean of Students Office is There to Help

Janet Begin Richardson, WPI's Dean of Students, has many responsibilities, but she considers her greatest to be that of "advocate for the student." As an advisor to student government, overseer of residential life, campus hearing board case officer, and serving in a multitude of other areas requiring attention, Richardson is deeply involved in all aspects of student life. Though her many roles may seem to place her out of reach of the average undergraduate, she points out that this is not the case. If, for example, any student has a new idea related to any activities or the like, "We'd be very happy to entertain it." On the subject of student government, she feels it is a "voice for the students...[and is] really important."

The addition of Nancy Hunter, Assistant Dean of Students, has brought fresh ideas and enthusiasm to the Dean of Students office, and to student life in general. "Having Nancy here brings with her new ideas from a new institution. We're riding on the excitement of having Nancy aboard," Richardson added. Included in Richardson's responsibilities regarding residential life are personal aspects, such as eating in a cafeteria and dieting, which can sometimes be a problem, as well as issues relating to rooms, roommates, furnishings, and

RAs. If anyone has a problem in these areas, she suggests that they speak with their RA or come to the Dean of Students office on the first floor of Daniels.

Richardson is also involved with the Campus Hearing Board, the college judicial body. If a student feels that he or she has been wronged in a way that may merit legal action, he or she should contact the Dean of Students Office immediately, where he/she will be offered advice on how to proceed.

The Student Handbook, a source of information which is indispensable for the undergraduate student body, is also published by the Dean of Students office. Many answers to common questions can be found therein, as well as detailed descriptions of the campus code and other pertinent information.

Bernard Brown, Vice President of Student Affairs, echoes Richardson's thoughts on availability for students. He notes that students should realize that there are many avenues open for involvement. He cites the formation of the work-study committee last year to examine that problem. "They should realize that we're human," he said, referring to the accessibility of all of his staff.

SAVE BIG ON HEWLETT-PACKARD CALCULATORS

- Advanced statistics
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HP-28C

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\$175

HP-41

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presentation

Worcester Banks

continued from page 1

that keep a minimum balance of \$500 to \$1000, depending upon the bank. Interest is earned at a rate between 4 and 5.25 percent. Service charges are incurred as a penalty if the account balance drops below the minimum balance. Super NOW checking offers a variable interest rate that changes with the market. A much higher minimum balance of \$2500 is required by most banks.

These are general descriptions of available accounts. Service charges, interest rates and ATM access vary.

Many ATMs are part of a greater network that banks subscribe to. These include: Action, Cash-network, Cirrus, Express-24, Monec, Yankee 24, and Plus. Accounts can therefore be very easily accessed through an ATM of another networked bank. Do not let the location of one ATM be the sole selling point of a bank. Find out what other banks are network members.

The number of ATM networks is shrinking. For example, Consumers' Bank is a member of the New England Banker ATM network. Thus any Consumers Bank ATM card can be used at any Bank of New England ATM. Since Bank of New England ATMs are part of the PLUS and YANKEE-24 networks, the ATM card can be used at all Bank of Boston and Shawmut ATMs. It is probably a good idea to find out which ATM network your bank belongs to. You may be able to use a bank at home and access your money in Worcester.

To the right is a chart listing most of the accounts available in the Worcester area suitable to students. Compare them to find which best suits your needs.



WORCESTER BANKS

(A comparison of Personal Accounts)

| Bank Account | Interest | Minimum to open account | Service Charges |
|---|----------|-------------------------|--|
| Bay State Savings - 30 Franklin St. - 791-8161 (no ATMs) | | | |
| Passbook Savings | 5.5% | \$10 | |
| NOW | 4% | \$100 | \$5/month if below \$750 |
| Bank of New England - 40 Foster St. - 755-2420 (ATMs on the New England Banker and Cash) | | | |
| Personal Savings | 5.5% | \$10 | |
| Performance Savings | var | \$10 | \$3/month if below \$500 |
| Basic Checking | --- | \$10 | \$2.50/month for 10 transactions \$1 each additional |
| Personal Checking | --- | \$10 | \$6/month if below \$300 |
| Personal NOW | 5.25% | \$10 | \$8/month if below \$500 |
| Performance Checking | var | \$10 | \$10/month if below \$1500 |
| accounts subject to change Bank of N.E. will be merging with Consumers on Sept. 7 | | | |
| Bank of Boston - 560 Park Ave. - 755-9741 (ATMs on PLUS, MONEC and MULTIBANK) | | | |
| Statement Savings | 5.5% | \$200 | \$1.50/month if below \$250 |
| First Rate Account | var | \$1000 | \$3.50/month + .30/transaction if below \$1000 |
| NOW | 5.25% | \$1000 | \$3.50/month + .30/transaction if below \$1000 |
| "Classic" Checking | --- | \$500 | \$3.50/month + .30/transaction if below \$500 |
| Convenience Checking | --- | --- | \$7/month |
| Consumer's Bank - 196 Park Ave. - 754-7469 (ATMs Express 24 Network) | | | |
| Passbook Savings | 5.25% | \$20 | \$1/month if below \$500 |
| Statement Savings | 5.5% | \$20 | \$1/month if below \$500 |
| Checking | --- | --- | \$5/month if below \$250 |
| NOW | 5.25% | \$500 | \$5/month if below \$500 |
| accounts subject to change Consumers will be merging with Bank of N.E. on Sept. 7 | | | |
| Guaranty Bank - Gold Star Blvd. - 752-3875 (ATMs Express 24, Cirrus) | | | |
| Savings | 5.5% | \$25 | rate changes to 5.25% if below \$200 |
| Checking | --- | \$100 | \$4/month if below \$100 or \$200 in savings |
| NOW | 5.25% | \$500 | \$4/month if below \$500 |
| Home Federal Savings - Gold Star Blvd. - 852-8255 (No ATMs) | | | |
| Savings | 5.5% | --- | |
| NOW | 5.25% | \$500 | \$3/month + .15/check if below \$500 |
| Super NOW | var | \$2500 | \$3/month + rate changes to 5.25% if below \$2500 |
| Mechanics Bank - Worcester Center - 798-6400 (ATMs PLUS, MONEC) | | | |
| Savings | 5% | \$25 | \$2/month if below \$500 |
| Checking | --- | --- | \$2/month if below \$500 |
| Super NOW | 5.25% | \$2500 | \$6/month + .25/check if below \$2500 |
| Northeast Savings - 22 Elm St. - 793-3275 (No ATMs) | | | |
| Passbook Savings | 5.5% | \$10 | \$1/month if below \$100 |
| Checking | --- | --- | |
| NOW | 5% | \$700 | \$4/month + .20/check if below \$700 |
| People's Savings Bank - 120 Worcester Center - 791-3861 (ATMs, not networked) | | | |
| Passbook Savings | 5% | \$200 | \$2/each time balance goes below \$200 |
| Statement Savings | 5% | --- | free ATM card |
| Checking | --- | \$100 | \$4/month if below \$500 |
| NOW | 5% | \$100 | \$4/month + .25/check or ATM transaction if below \$800 |
| Safety Fund Bank - 200 Commercial St. - 791-6271 (ATMs, MONEC) | | | |
| Savings | 5.5% | \$100 | \$1/month + .50/withdrawal if below \$100 |
| Checking | --- | \$600 | \$6/month + .20/check if below \$600 |
| NOW | 5.25% | \$1000 | \$5/month + .25/check if below \$1000 |
| Shawmut - 466 Main St. - 793-4193 (ATMs, CASH, ACTION) | | | |
| Savings | 5.25% | \$300 | \$1/month + .50/transaction over 4 if below \$300 |
| Cash Account (ATM only) | --- | --- | .25/transaction |
| Flat Fee Checking | --- | --- | \$6/month |
| Regular Checking | --- | \$500 | \$4/month + .30/check + .20/ATM transaction if below \$500 |
| NOW | var | \$1000 | \$3/month + .30/check + .20 /ATM transaction if below \$1000 |
| WCIS - 255 Park Ave. - 754-7733 (ATMs, CASH, TX) | | | |
| Passbook & Statemt. Savings | 5.25% | \$10 | \$12/year for ATM card |
| NOW | 5% | \$400 | \$5/month if below \$400 |

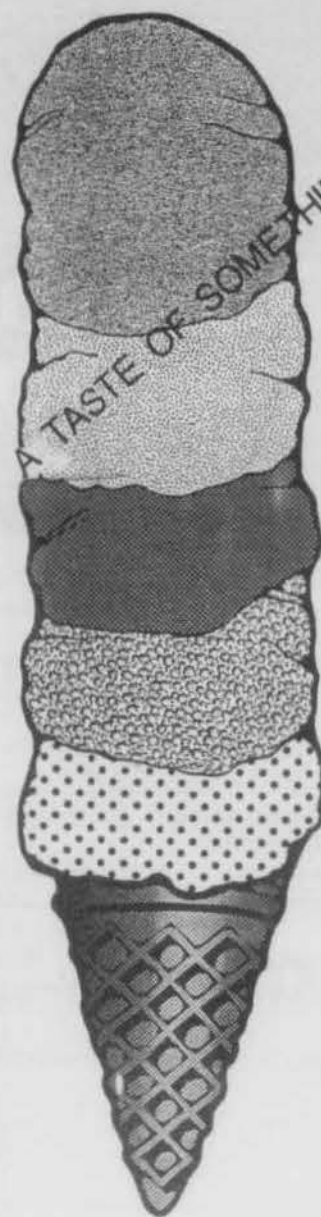
NOTES: Addresses listed are of nearest branch, Interest is compounded daily at some banks but less frequently at others, you should consider this if you intend to keep a lot of money in your account.

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SocComm Office,
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October 10 Chain Link Fence
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8:30 pm free

September 3 Comedy Coffeehouse
September 8 Hot Acoustics
September 22 Michael Järling
September 29 Comedy Coffeehouse

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| Display | 12 Scrolls to 79 |
| Memory | 550 Step |
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| Computer Math | Hex-Bin-Octal |
| Regression Analysis | 2 Variable |

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replay feature lets you review, edit and replay your formula at the touch of a button. It even has an answer key that stores your last computed value.

And to make things still easier, the FX-4000P has a "perfect entry" system, which allows you to enter and display a formula exactly as written.

Plus, it has a non-volatile 550 step program memory with 10 program

divisions. This allows 10 different programs to be stored at once.

And it includes up to 94 data memories, which are invaluable for statistical analysis.

Finding all this power at your fingertips is remarkable enough, let alone at half the price of some competitors. If you can put your finger on a scientific calculator that gives you more power at any price, by all means buy it.

CASIO
Where miracles never cease

...Hunter continued from page 1

and a dance in the evening.

To this end, Hunter believes that organization is a large factor in the effort. The SAB will be divided into five committees reflecting the needs of student organizations: van; club sports; budget; student group concerns; and development. Leadership training will also be focused upon, with general SAB meetings dedicated to helping student organizations become better at planning, recruiting, and the like. In addition, an activities office (located in the vice president of student affairs office on Daniels first) has been established in which the SAB, student government, interfraternity council, and panhellenic association will meet and store materials. All requests for room reservations which previously were addressed to Carol

Hebert will now be dealt with through this office.

Hunter will also "promote Soccomm in what it's doing for students," as well as "beefing up publicity for all of Soccomm's events," an area which she believes needs more attention. Hunter notes that this increased publicity has succeeded in tripling Alumni ticket sales for the homecoming act of Steven Wright. She advised, "We have advertised quite heavily...Buy the tickets the first week they go on sale."

Hunter reflected on the general state of social life at WPI by saying that "Education is not just book education. Relaxing doing activities outside the classroom is very important."

...Garvin Continued from page 1

eased the burden on Garvin and her staff, many other factors are involved in the freshman course selection process. In May, each freshman was mailed a course selection sheet and guidelines for choosing courses. At home, the students then selected tentative courses and returned the forms. This data was then put into a computer and schedules generated.

In June, when the freshmen came to WPI for one of three possible orientation periods, they met with their freshman advisor, who gave them advice regarding their courses. After this meeting, students were given the opportunity to make changes in their schedule. In order to simplify the choice of which mathematics course to take, the mathematical sciences department presented "Where do I start?," a program that enabled students to accurately gauge their level with respect to courses offered.

Finally, in August, along with all upper-classmen, each freshman received a finalized schedule, which, if necessary, can be further modified during the normal course-change period preceding the start of A-term.

Garvin offered several pieces of advice to the incoming freshmen: "There's a lot of help available, but only if they seek it out. The responsibility is on them ... they have to look for it. They're paying a lot of money for services

[which] aren't going to appear on their doorstep."

"[They should use] the different support services: tutoring, the writing resource center, the student counseling center."

On the subject of academic advising, Garvin added, "The philosophy of WPI is that the faculty is the best equipped to advise the students. [Other institutions use peer advising or other methods] We want our students to have the best. The advisors are excellent sources about careers, different disciplines, and course selections."

It is important to realize, Garvin noted, that the faculty advisor is not a high-school guidance counselor. "Making an appointment is necessary to get good advising."

Finally, she expressed a desire for students to "feel comfortable coming in here. I really run an information and referral service. I will not give you all the answers, but I'll direct you to someone who hopefully can."

Ms. Garvin's office is located on the first floor of Boynton Hall, in the scheduling and advising office.

Psychspeak

... Some Thoughts from the Student Counseling Center

To all freshmen and other new students: Welcome to WPI. At the Student Counseling Center our goal is to help students achieve their full potential at WPI — academically, personally, emotionally, and socially.

There are three full-time professionals on the Center's staff: Dr. James Groccia is the director of the Center; Ms. Carol Theisen is a counselor and registered dietitian, and Dr. Harry Merryman is a counseling psychologist. Ms. Beverly Loomis is our helpful secretary. Students come to the Counseling Center for a variety of reasons. A student may meet with a counselor individually to explore career options, to learn how to manage stress, to overcome test anxiety, to improve study skills, to cope with depression or other troubling feelings — just to mention a few reasons. Every member of our professional staff has had several years of experience in assisting students with their concerns. We strive to be a resource for you to call upon whenever you feel we could be helpful. You don't have to be on the verge of a nervous breakdown or experiencing and emotional or

academic crisis in order to use the Center's services.

In addition to providing individual and group counseling, each term our professional staff offers brief seminars and workshops to help you sharpen or gain personal skills in areas of special interest to students. In the past, some of these areas have included stress management, assertiveness, study skills, problem eating, developing a healthy lifestyle, dealing with loss, and effective relationships. At the beginning of each term you will receive a flyer in your box describing the seminars, along with a registration form which you may return through the campus mail. We hope you will look for our flyer. We also welcome suggestions for future seminar topics.

The Student Counseling Center is located on the edge of campus at 157 West Street, between Institute Road and Highland Street. The Center is open from 8:30 a.m. to 5:00 p.m. Monday through Friday. To make an appointment, Call 793-5540 or drop by the Center during office hours. All of our services are free and confidential.

Campus Police Chief Whitney Offers Advice to Students

Any questions relating to criminal action should be addressed to the WPI campus police, according to Chief Al Whitney. "If you are assaulted, or are attacked in any way, come to the police."

Whitney added that the police offer an escort service for persons traveling on campus late at night and who desire protection. This service is provided through SNaP (Security Night Patrol), and students wishing to be escorted should call campus police at extension 5433.

An engraver which may be used to mark items with the owner's social security number is also available, and may be borrowed. The

campus police strongly suggest that all items of value be marked so that in the event of theft they may be easily identified. Jumper cables for automobiles are also on hand if needed. All automobiles kept on campus must be registered. See campus police for more information. It should be noted that freshmen are not allowed to have cars on campus.

All freshmen have received a booklet which details "Crime Awareness and Personal Safety." This should be read carefully, as it contains a wealth of information which can reduce the risk of becoming a victim of a crime.

WANTED!

SNaP Members

The SNaP security program is now hiring. Applicants must qualify for work study monies to be considered for the position. Applications can be obtained from the Office of Housing and Residential Life or the Campus Police Department.

Application Deadline: 9-11-87

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Sandoli's, at the intersection of Institute and Park Avenue, is the favorite grocery store for most WPI students who have to cook for themselves. Its fruits, vegetables and meats are high quality, but the spaghetti sauce is hard to find.



The Consumer's Bank ATM machine often has long lines on Fridays. Get there early; a rush will leave it empty.



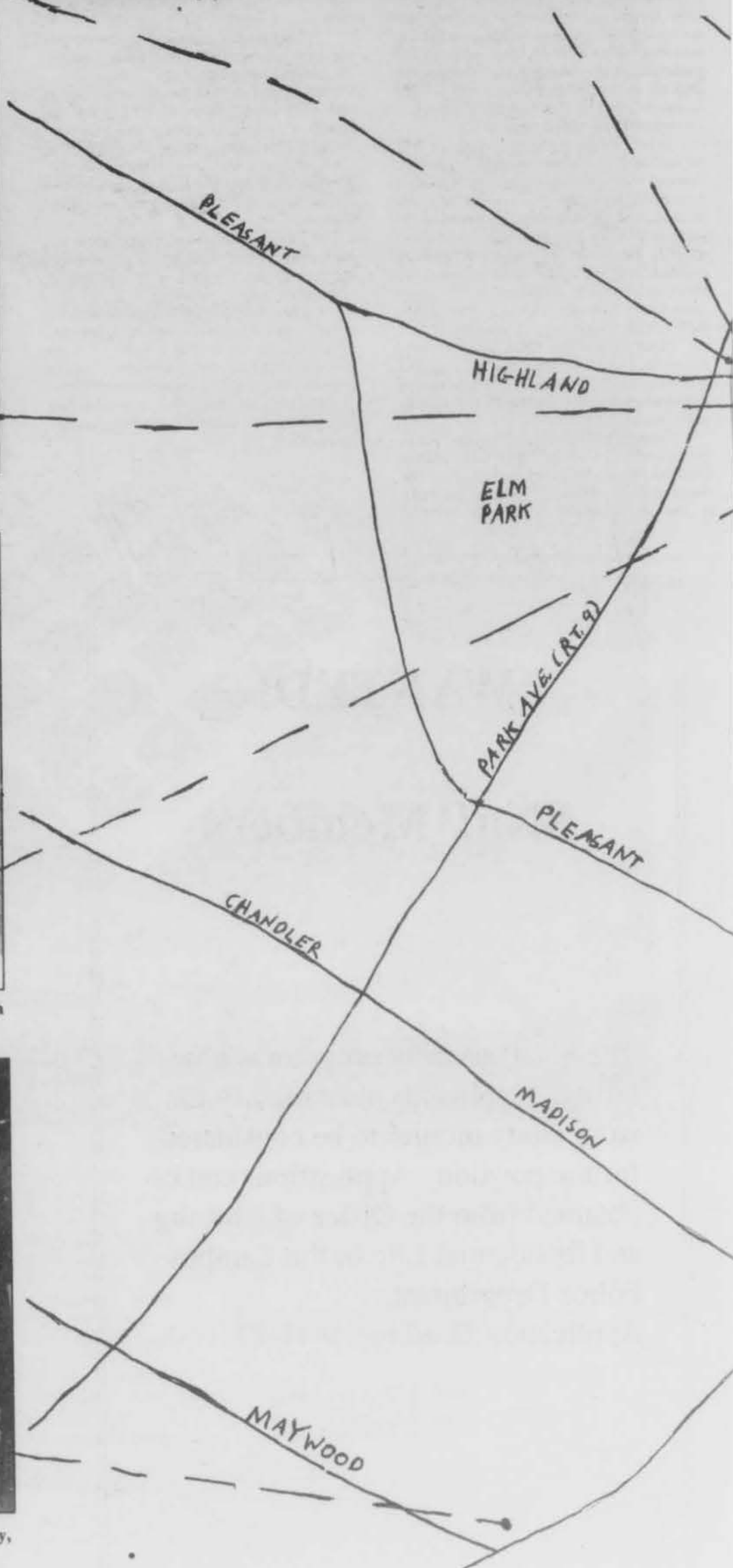
For late night munchies, try Store 24. It also carries milk, expensive groceries, magazines, newspapers, and rents video cassettes.



The Acapulco features mexican food and drinks. Many WPI students live in apartments above and behind the restaurant.



Clark University is to English what WPI is to civil engineering. It has a nice library, and can be very useful when working on a Sufficiency or IQP.

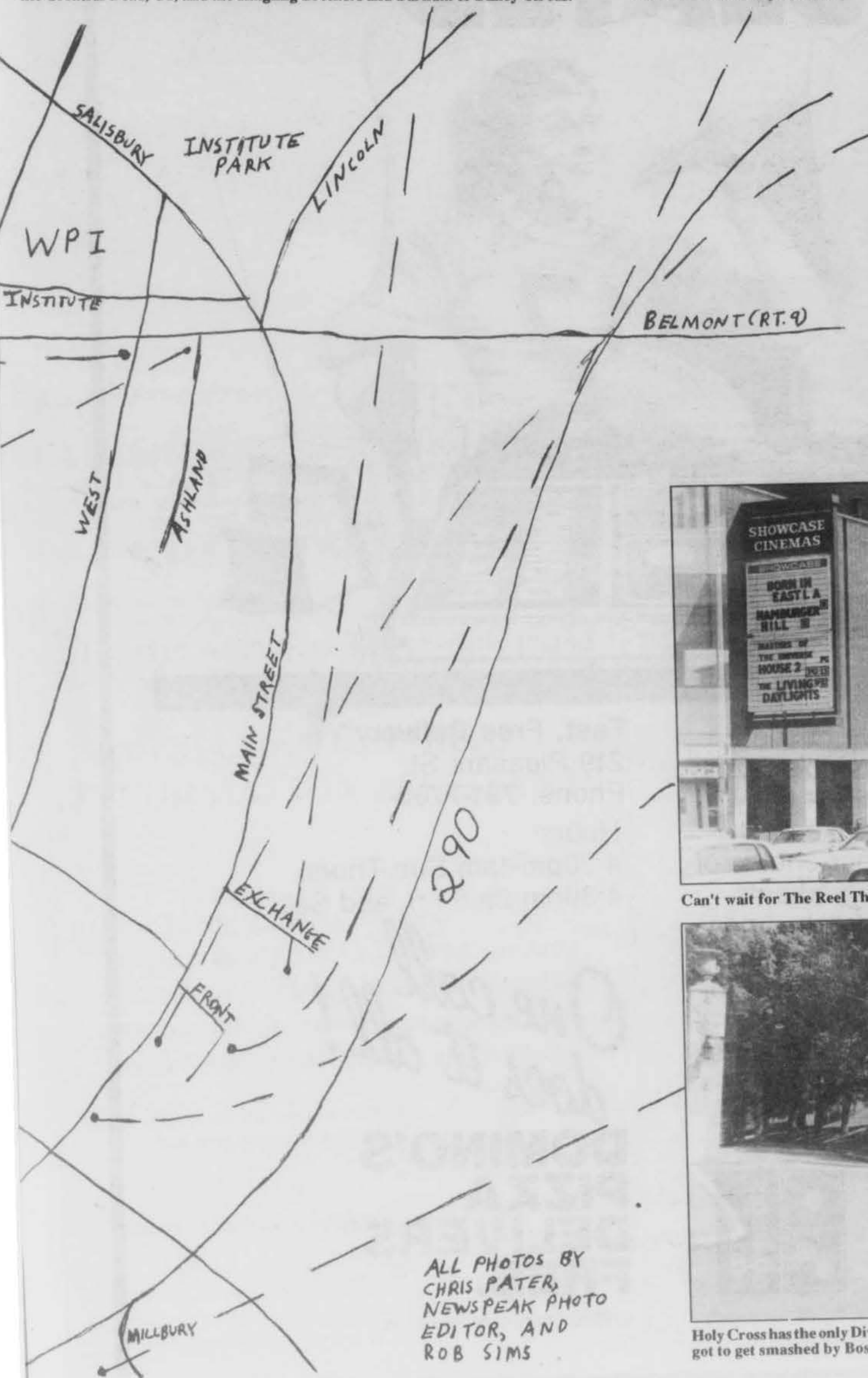




The Centrum has popular concerts and boring exhibitions. Last year's acts included the Greatful Dead, U2, and the Ringling Brothers and Barnum & Bailey Circus.



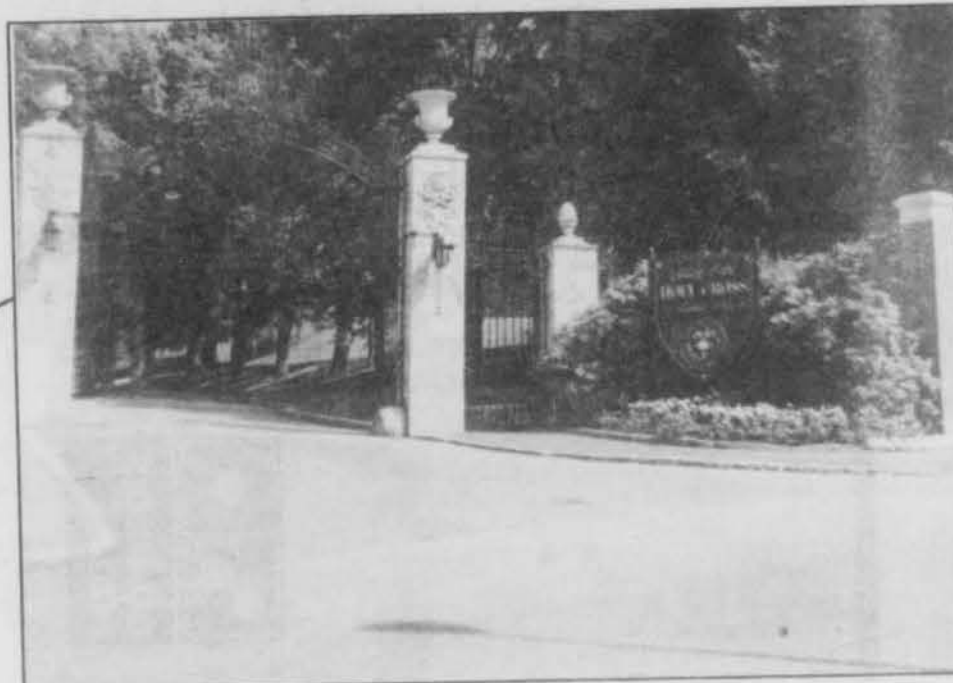
The Galleria is a good place to buy books and clothes and see what is in among Worcester thirteen-year-olds.



City Hall -- Note the clock tower. It still works.



Can't wait for The Reel Thing? See it here first. Nice artwork in the lobby, also.



Holy Cross has the only Division I sports program in Worcester, so their football team got to get smashed by Boston College every year. They don't play B.C. any more.

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SPORTS

1987 FOOTBALL FORECAST

(WPI News Service) - The 1987 football team appears to be the opposite of the 1986 team in several areas. Last season the Engineers had many new defense players and few new offensive players. This year the coaching staff feels that the defense has solid, proven players, while the offense, despite the return of last year's ECAC Rookie of the Year and 1st Team All-New England Player Mike Bucci at Tailback, must shore up the line and receiver corps. Bob Weiss is confident that Greg Whitney, a junior, can handle the quarterback position, while several young players should be able to fill the

shoes of the seven departed starters.

The defense looks stronger with five starters returning. Also, the move of Will Hurley to linebacker should give the Engineers added size, speed and strength in that area. Chris Rogers, eligible for the fifth year, should provide experience and leadership in the defensive backfield.

The Engineer kicking game remains unchanged with Steve Mango handling extra points and field goals, and Chris Ferrari doing the punting.



PHOTO BY MARK OSBORNE, NEWS EDITOR

Football team practices for the Homecoming game against Lowell University on September 12.

ATTENTION SPORTS FANS!

The WPI News service is currently hiring

STUDENT SPORTS INFORMATION ASSISTANTS

We need students to help us cover major varsity sports. Duties include attending home games and keeping statistics; helping in the preparation of weekly statistical releases and reports;

Good writing and organization skills helpful.
Skill with a camera a plus.

For more information, contact:

Mike Dorsey
WPI News Service
Boynton Hall, 3rd Floor

WPI Spring Sports Wade Through Awful Weather But Put Together Solid Seasons

By Ken Powers

(Reprinted from The Wire)

In a word, the weather was horrible! "I don't think I've ever seen a spring like this," said softball coach Sue Chapman. "We've had springs where it would snow, but we'd be out there playing the next day. This year, the combination of the ground being so water-logged to start, and those days of solid, heavy rain - I think that's what made it tough."

"The worst spring I've seen in my 10 years of coaching," is how golf coach Mel Massucco summed it up.

Through it all, though, the spring sports teams endured. And after considering all the factors, most finished with satisfying results.

Track Team Captures N.E. Division III Championship

Hosting the eighth annual New England Track and Field Championship for the first time, the harriers also gained another first - winning the whole ball of wax.

WPI, one team among a field of nearly 30, picked up points in several events - some unexpected - to come up with the first N.E. win for coach Merle Norcross, who has been coaching track for 35 years.

"We've finished as high as third in the Championship once before, and I thought we had a chance to finish in the top five, but to come in first is just great" he said. "The kids really put it all together."

The biggest surprise of the day, for Norcross, was the 1-2 finish in the pole vault. "I knew (Tom) Schibly ('88) would finish in one of the top three spots, but Hein's (Brutseart) performance shocked me. We won the meet in the pole vault, but finishing 2-3 in the javelin was just as important," Norcross added.

Schibly not only won the pole vault, but also finished second in the decathlon. Strong performances included Bill Sifferlen '88, who garnered 3rd place in the decathlon; Mike Flory '89 and Dave Durrenberger '88, who finished 2-3 in the javelin; Dan O'Connell '90, who picked up second in the discus; the 4x100 meter team, who finished 2nd; Steve Montibello '87, who finished 3rd in both the 100 and 200 meters; Mike Skowron '87, who finished 2nd in the shot put; and John Campbell '90, who finished 6th in the high jump. The Championship was sponsored by United Parcel Service.

In the season's dual meets, WPI was just as successful, finishing with an impressive 10-1 record, the lone blemish being a six-point loss to MIT. Norcross got fine performances during the season from David Latham '89, who set a school record 23'-6-1/2" in the long jump, but later pulled a hamstring muscle during the triple jump and was lost for the remainder of the season. Senior Scott Hanna showcased his talents this season for the Engineers and became the team's best hurdler, but had to miss the New England's due to a previous commitment.

Diamond in the Rough: Baseball Finishes Season With 11-13 Record

With good weather, things could have been a lot different. Still, in a year that found the WPI baseball team out in the cold and wet much of the season, first year head coach Whit Griffith got solid performances from his upper-class-

men and good development from his younger players.

"The weather cost us a week of practice early, and it totally wiped out everything we had gained during our trip South," said Griffith. "We had made a lot of strides toward consistency, and then we went a full week without even being able to get outside. There's only so much work you can do in a gym."

The Engineers continued to get solid output and natural leadership from Mike Shipulski '87, who stroked the ball for a .410 average, made no errors in 53 put-outs, and threw in a couple of assists for good measure. Griffith moved Shipulski to the leadoff spot early in the year so he could give opposing pitchers something to think about right off the bat.

Others surprises included Chris Iovino '89 at first base, who plays as strong defensively as he does offensively. Fran Shea '89, mans the "hot corner" and really came alive defensively this year. At the plate, Shea hit the ball hard, but right at people. "The law of averages tells me that a lot of this year's outs will be next year's hits," said Griffith.

On the mound the Engineers got a big lift from freshman Mike "the Stork" Bowen, who had two wins and two saves on the season. Billy Sullivan '89, a gangly right-hander, pitched well this year and established his hold on the No. 1 spot for next year.

As the season ended, the Engineers won their final game 9-0 over Tufts due to forfeit. After arguing a call, the hot-tempered Tufts coach was given the heave-ho but refused to leave the game. The umpire waited a considerable amount of time and again instructed the coach to leave, but the coach still refused. The umpire then walked over to the WPI score book and wrote "9-0 forfeit," signed the book and left the field.

"This is a year we won't soon forget," Griffith concludes.

Softball: Team Wins Three of Last Four, Then Has Next Five Rained - Or Snowed! - Out

Just as it looked like the 1987 edition of the WPI softball team was about to turn the corner and make the season a successful one, Mother Nature showed her sullen side and caused cancellation of the Engineers' next five games. In all, Sue Chapman's squad had nine games cancelled.

"The worst part of it was we were just starting to play consistently. The kids, as a team, were really coming around," Chapman says.

From the mound, sophomore Debbie Carelli started off inconsistently, but seemed to be coming around when the heavens opened and the season was cut short.

Chapman got good production at the plate from senior Cathy Murray and Sophomore Carrie Nolet, who both laced several line drives that kept many a rally alive. One of the biggest surprises was the continued improvement of Debbie Desrochers at first base. Desrochers '87 made only one error in the field and came up with many timely run-scoring hits. "I was really pleased with Debbie's work ethic this year," Chapman notes. "She worked hard for three years, and this season it paid off."

The Engineers have to be pleased with the way the season ended, and since the team is only losing three players to graduation, a bright (hopefully dry) 1988 may well be on the horizon.

Winning Combination Coaches Football

(WPI News Service) - In nine seasons as head football coach at Worcester Polytechnic Institute, Bob Weiss has developed one of the finest programs in Division III football. With last year's 5-3 finish, he has guided WPI to seven consecutive successful seasons.

Weiss arrived at WPI in April 1978 and owns a 43-29 career coaching mark. The acclaim the Engineer program has received during his tenure proudly reflects upon his abilities as a coach, recruiter and motivator. In nine years, he has resurrected a program that suffered nine straight losing seasons prior to his arrival and a program that was on the verge of being discontinued in 1977.

During his coaching career, Weiss has been the recipient of numerous awards and citations. In 1983, after leading WPI to an undefeated 8-0 record, he was named Coach of

the Year by the New England College Football Writers Association, and Division III Coach of the Year by the Boston Gridiron Club and the New England Football Newsletter. He has also been inducted into the New London High School Hall of Fame and the Tufts University Alumni Hall of Fame.

In 1983, he directed WPI to an 8-0 season. The eight victories were the most ever recorded by a WPI football team in a single season, and the Engineers ended the year ranked No. 1 in New England and No. 9 in the nation among Division III schools.

Weiss is backed by a staff that includes Assistant Coaches Mark Morgan, Charlie Butterfield, Jim Pisegna, Ed Binienda, Joe Philbin, and Rich Milhizer; Trainer David Abraham; Equipment Manager Jan Bialonozka; and Team Physician Dr. Kirk Johnson.

* Zayre

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reg. 59.99

\$79

5-drawer chest,
reg. 99.99

\$89

6-drawer chest,
reg. 119.99

Save \$4.99-\$30.99.
Quality construction with
fully finished drawers,
drawer stops and floor-
leveling adjustments.
Oak finish.



Convertible chair & love seat

29.99

chair, reg. 49.99

69.99

love seat, reg. 89.99

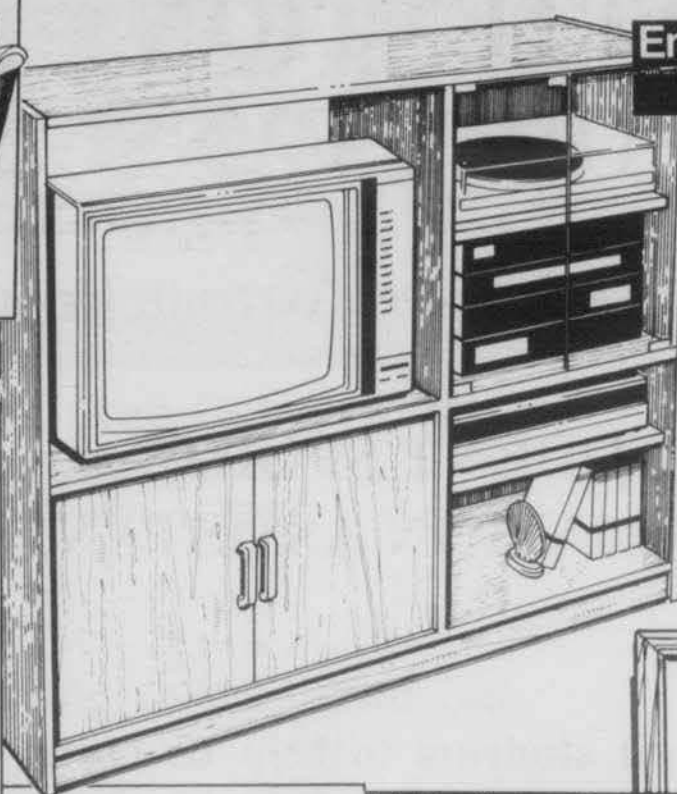
Save \$20. Chair
opens to twin size
bed. Love seat opens
to double size bed.
Perfect for students or
overnight guests, for
sleeping or just relax-
ing. Durable Herculon®
cover on high density
foam.



Entertainment center

59.99

Save \$19.98. Roomy
enough for TV, VCR,
stereo, books and
accessories! Features
double glass door storage
above, and solid double
door storage below.
Walnut finish.
39 1/8" H x 47 3/4" W x 15 1/2" D.
Reg. 79.97



Framed poster art

2.50

11x14", reg. 2.99

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16x20", reg. 8.88

8.99

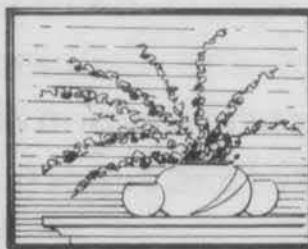
22x28", reg. 14.44

11.99

sm. 3-pc. set, reg. 19.99

19.99

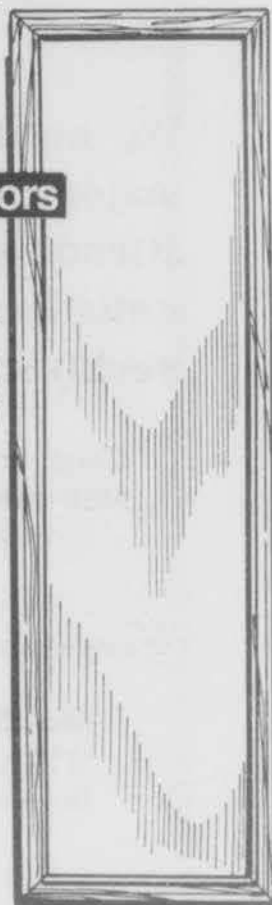
lg. 3-pc. set, reg. 29.99
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Rainchecks available.
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WPI Students Help Solve Fiscal

(WPI News Service) - Thanks to a study by three WPI students, the Worcester Department of Public Works (DPW) has a new tool for closing a growing gap between revenue and expenditures. The Worcester City Council last month approved a novel fee schedule for the DPW — a direct result of a nine-month study of alternate revenue sources, commissioned by Worcester City Manager William J. Mulford, and performed through WPI's Center for Municipal Studies (CMS).

The new schedule, which went into effect July 1, will allow the DPW to charge developers a prorated fee (based on the number of lineal feet) for the inspection of all infrastructure, such as water mains, sewer lines and public streets, instead of the flat fee developers used to pay for inspection services.

According to the study, performed by John DiLorenzo, Teresa Tuccio, and Derek White, through the CMS, the current gap between revenues and expenditures is the result of Proposition 2 1/2, a 1981 tax-cutting measure which limits individual city and town property rates to 2 1/2 percent of a property's real cash value. To deal with the loss, some cities and towns have had to lay off employees and reduce, or eliminate, services.

At the same time, the City of Worcester is facing a building boom: the number of developments has more than tripled in the last five years. As the DPW is responsible for the inspection of all the public infrastructure, the increase in development translates into an increase in the number of inspections performed by the DPW.

To keep up with the demand the DPW created a Special Services division, the sole purpose of which is to inspect new developments and to insure that the infrastructure meets state and city regulations. The Divisions' six full-time employees perform on-site inspections and also review preliminary plans.

The objective of the WPI study was to find a way to change the fee structure formerly used by the DPW so that developers are assessed fees adequate to actually pay inspectors' wages.

The ideal structure, the students decided, would cover the cost of inspecting the infrastructure in a development and would include a charge for the process of plan review. In order to be impartial, the inspection fee should

be based on the same variable for all developments, they noted. Their recommendation was a dollar per lineal foot, which was based on the average cost of an inspection.

They also proposed an alternative method, which would base the fee on an estimate of the time necessary to carry out the required steps and functions of each inspection. However, according to the students' final report, the DPW's records do not accurately reflect the time necessary for each inspection; they show only how much time was actually spent at each development.

The students also considered the utility of a split fee, which would be based on the type of development. However, they concluded that the different types of developments do not differ statistically, and recommended a single fee for all developers. Though the final recommendation to the DPW did not include a fee for the review of plans, the students recommended the city consider such a fee in the future.

DiLorenzo, Tuccio and White, all members of the class of 1988, performed the study to satisfy their Interactive Qualifying Project (IQP) requirement at WPI. The IQP is a distinctive element in WPI's approach to education, to encourage engineering, science, and management students to recognize how their professional work affects society at large. The IQP challenges students to define, investigate, and report on a topic of their choice relating science and/or technology to some social need or issue.

The Center for Municipal Studies (CMS) was founded in 1986 by Professor James Demetry, former Chairman of the Division of Interdisciplinary Affairs (which oversees IQP activity) and now Associate Head of the Electrical Engineering Department. Demetry, a member of the Holden board of selectmen, chose the area of municipal studies to continue his work in advising IQPs while returning full-time to his home department. CMS concentrates on topics of immediate interest to Massachusetts municipalities, and to which WPI students can bring their expertise to make special contributions.

Woman's Chorale Anticipates Continued Success

by Helen Webb
Sports Editor

The WPI Woman's Chorale is looking forward to another successful year. The Chorale, under the direction of Prof. Malama Robbins, is in its ninth year.

The chorale's repertoire ranges from contemporary to classical pieces. Last year's chorale performed pieces by George Gershwin, songs from the "P. D. Q. Bach" collection, and modern favorites such as "Scarborough Fair." The chorale also joins with other choral organizations to perform at least one musical masterpiece a year. This year, the Woman's Chorale joined with the men's chorus and the choirs of Wheaton and Wellesley College to sing Mozart's Requiem. Major works by Bach, Handel and Purcell have been sung in the past.

The chorale sings frequently at locations in

Worcester, and usually takes several trips a year to sing in other cities. In past years, the chorale has performed in Canada, New York, Philadelphia, and Boston.

Although most of the members of the chorale are undergraduates, the organization welcomes all members of the WPI community — students, staff, faculty, and neighbors — to join for the upcoming year. No vocal experience is necessary; while some members have had years of musical training, others have virtually no background. Voice classes are held for those who wish to improve their choral technique.

For more information, contact Prof. Malama Robbins or look for rehearsal announcements in *NEWSPEAK's* Club Corner.



Members of WPI Womens Chorale with director Malama Robbins

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WPI Cheer Team

Qualifications *

- gymnastic abilities
- lots of spirit
- outgoing
- athletically inclined
- physically fit
- interested in promoting school spirit



Be prepared to work out on Wednesday. Bring your friends! For more information, contact Dean of Students Office Daniels Hall 793-5201



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Available Computer Resources at WPI

| Laboratory Name | Location and Computer | Number of Units |
|---|--|-----------------|
| CCC | Basement of Library DEC-20 terminals AT&T 6300 PCs | 20 10 |
| Other DEC-20 Terminal | Salisbury 133 DEC-20 terminals Atwater Kent 106 DEC-20 terminals Kaven 213 DEC-20 terminals | 4 7 2 |
| OAC User Services Project Center 107 Room | AT&T 6300 PCs | 3 |
| Olin 205 | Olin 205 AT&T 6300 PCs | 10 |
| APT Lab | Higgins 204 AT&T 6300 PCs Apple IIe's Macintosh | 42 20 1 |
| Management Lab | Washburn 217 AT&T 6300 PCs DEC-20 terminals | 16 2 |
| MicroCADD Lab | Higgins 215 AT&T 6300 PCs | 25 |
| Gordon Library | Audiovisual Room 116 AT&T 6300 PCs Main Lobby OCLC 105 terminal AT&T 6300 PC | 6 1 1 |

Staff Additions and Promotions Announced

(WPI News Service) - WPI has announced the appointment of Carolyn Tidwell as director of cooperative education.

The WPI "Co-Op" program provides an opportunity for students to alternate time in the classroom with extended periods of paid, career-related employment in industry or in private and government agencies. Between June 1976 and September 1986, more than 15 employers provided employment to 814 students.

Tidwell received her B.S. in Education from Northeastern University. She has served as vice president for programs for the National Cooperative education administrator for General Dynamics in Pomona, CA.

In addition, she has been named to Who's Who in American Colleges and has been an active member of the National Commission for Cooperative Education, the California Cooperative Education Association and the Soroptimist International.

Also joining the Division of Student Affairs are Nancy Hunter, assistant dean of students, and Brian Davis, admissions counselor.

Hunter received her M.A. in College Student Personnel from Bowling Green State University (OH) and her B.A. in Communications Studies and Psychology from Oswego State University of New York, where she graduated magna cum laude. Prior to coming to WPI, Hunter was program advisor at Case Western Reserve University in Cleveland, Ohio.

Davis holds his A.B. in Sociology from the College of the Holy Cross and is a master's candidate at Indiana University - Bloomington. He comes to WPI from the URSA Institute in San Francisco, CA, where he was a field research associate.

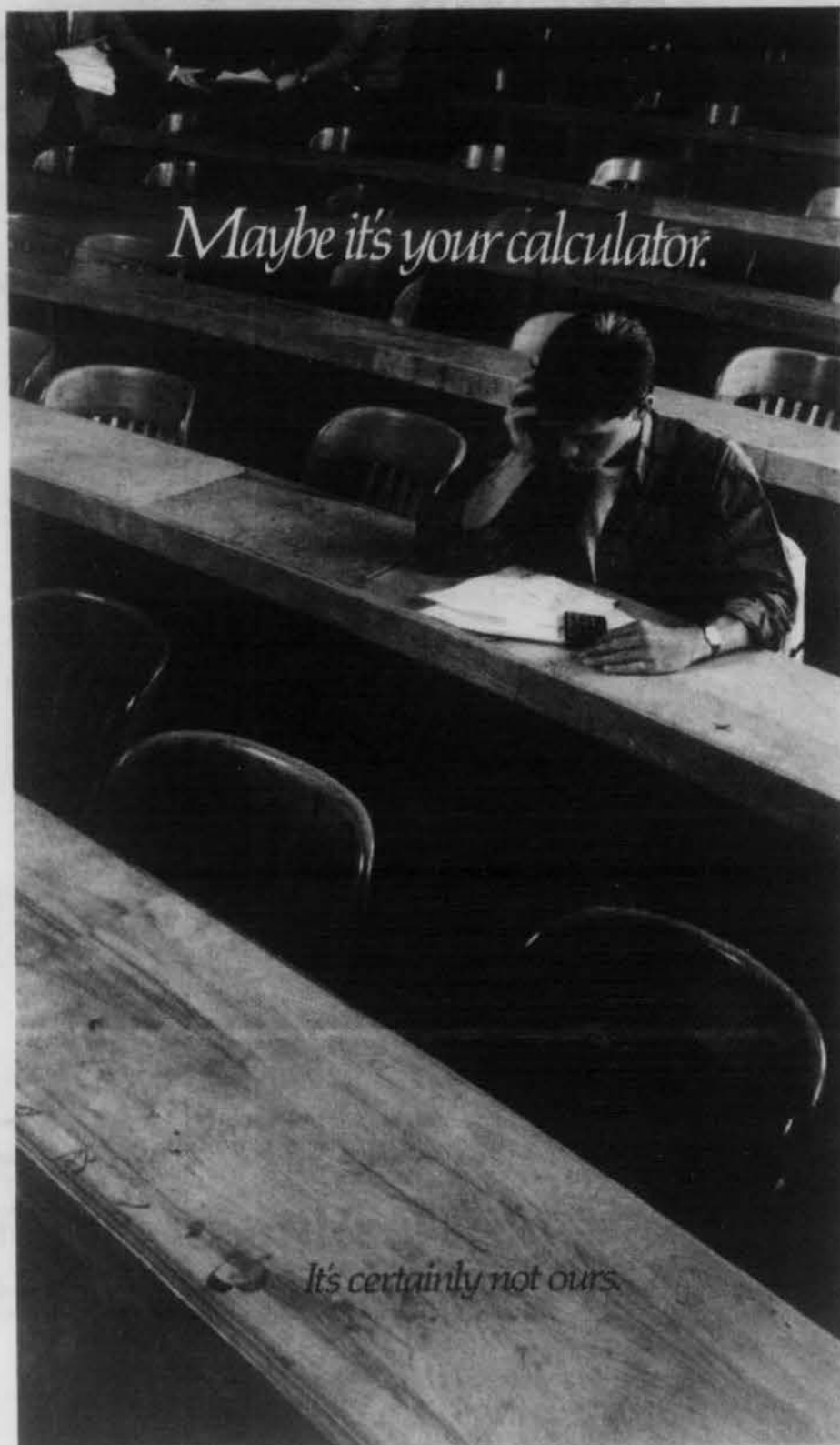
WPI has also announced that David Cyganski, assistant professor of electrical engineering, has been appointed chief information officer for the Institute. He will be responsible for academic and administrative computing, support for departmental computing, campus networks and telecommunications, and other

matters pertaining to information systems. He received his B.S., M.S. and Ph.D. degrees in electrical engineering from WPI and joined the faculty in 1980. Cyganski was the youngest ever to receive the WPI Trustee's Award for Outstanding Teaching, an honor bestowed upon him in 1984. He is also the first to be named as a Joseph Samuel Satin Distinguished Fellow. His research interests include image processing and pattern recognition, particularly as they apply to robot vision.

Michael J. Curley has been promoted to director of financial aid. Curley joined the staff of the WPI financial aid office in 1979 and was named associate director in 1982. In 1985, he became director of freshman financial aid. Curley received his bachelors degree from the University of Massachusetts at Amherst and his master's from Bridgewater State College. He is a member of the National Association of Student Financial Aid Administrators, and the Massachusetts Association of Financial Aid Administrators.

Ann Garvin, formerly WPI's project administrator, has been named director of academic advising. She holds an M.A. in communications from West Virginia University and her B.A. in social science from West Liberty State College. Prior to coming to WPI, Garvin was assistant director of Family Planning Services of Central Massachusetts and was a contributor to a GED examination book. Garvin joined the WPI staff as project administrator in 1984.

Jocelyn Kent Smyth replaces Garvin as the project administrator. She will be working with students and faculty providing administrative support for all project centers, special project programs, and other on and off campus programs. A member of WPI's class of 1982, Smyth received her B.S. in mechanical engineering. She is currently working toward her M.A. in higher education at Boston College. Prior to her return to WPI, Smyth was a senior mechanical engineer at Itek Optical Systems in Lexington, MA.



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What's Happening

Tuesday, September 1, 1987

9:00 am - 12:00 noon -- Enrollment for Sophomores in Harrington
1:00 pm -- Student Group/Club Treasurers Workshop, Morgan A
1:00 pm - 4:00 pm -- Enrollment for Freshmen in Harrington
6:45 pm - 10:00 pm -- Fraternity house tours, Alden Hall

Wednesday, September 2, 1987 - A-term Begins

12:00 noon & 4:30 pm -- Student Group/Club treasurers workshop, Morgan A
6:30 pm -- Physical Examinations for students interested in Men and Women's Crew, Rugby, Frisbee, and Lacrosse.
Report to squad room, Harrington
6:45 pm - 10:00 pm -- Fraternity house tours, Alden Hall

Thursday, September 3, 1987

All Day -- Panhel Plant Sale, Wedge
8:00 pm - 10:00 pm -- First Round of Sorority Rush - Meet in Wedge
8:30 pm -- Comedy Coffeehouse, Gompei's Place

Sunday, September 6, 1987

11:30 am -- Mass, Alden Hall
6:00 pm -- Mass, Founders Hall
6:30 & 9:30 pm -- The Reel Thing presents *The Color of Money*, Alden Hall, \$1.50

Monday, September 7, 1987 - Labor Day - NO CLASSES

Newspeak will run classifieds free for all WPI students, faculty, and staff. Free classifieds are limited to six (6) lines. Ads of a commercial nature and ads longer than six lines must be paid for at the off campus/commercial rate of \$3.00 for the first six lines and 50 cents per additional line. Classified ads must be paid for in advance.
No information which, in the opinion of the Newspeak editors, would identify an individual to the community will be printed in a personal ad. The editors reserve the right to refuse any ad deemed to be in bad taste or many ads from one group or individual on one subject.

Name _____ Phone _____

Address _____ Total Enclosed \$ _____

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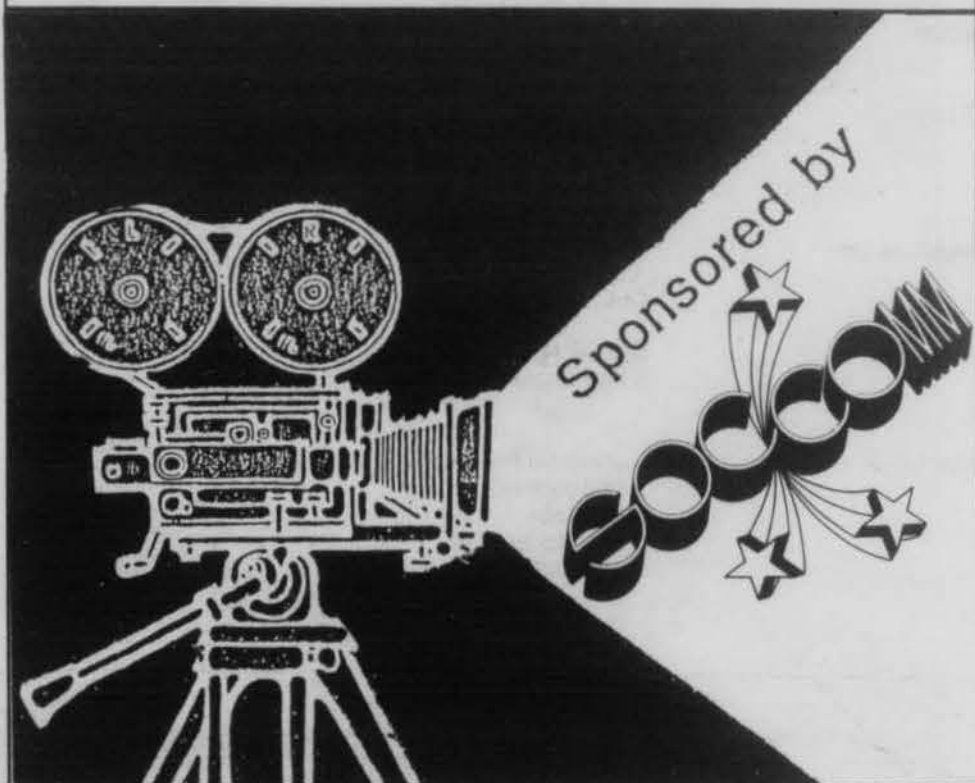
Allow only 30 characters per line

MOVIES!

Wednesday, September 9
Gompei's Place 9:00 p.m. \$1.00
"Man with the Golden Gun"

and

Sunday, September 12
Alden Hall 6:30 & 9:00 p.m. \$1.50
"Raw Deal"



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SocComm? Frisbee? Cycling?
Karate? Outing? Camera?
Bowling? Pep Band?
Lacrosse? Ski? Vollyball?
Crew? ASME? IEEE?
Society of Physic Students?
etc. etc. etc.

Activities Festival
Fall 1987

Wed. Sept. 9
4 - 6 PM
Lower Wedge
(Meeting of all WPI
Campus Group leaders)